

## **Abstract**

**Title:** The reimbursement and the calculation of the custom-made medical devices - the relationship between health insurance companies and prosthetic workplaces

**Objectives:** The aim of this work is to define the various stakeholders in the production of the custom-made medical devices (hereinafter MD), a description of their roles, the ways of interdisciplinary cooperation and communication. Another objective was to analyze the evolution and the current state of an evidence and a reimbursement of the custom-made MD and the method of determining the contract prices and hourly billing rates for the custom-made MD manufacturers, including the method of VAT calculating.

**Methods:** This is a theoretical work of the search character when I examined the Acts, regulations and other norms of the Czech legal system, consulted the given area with the practitioners, including the representatives of the General Health Insurance Company.

**Results:** I managed to define the stakeholders involved in the production of the custom-made MD. I defined the list of laws that regulate the area of the production and the reimbursement of the custom-made MD. I analyzed the most important legal norms that affect the operation of a private health care facilities. I defined the operating cycle of the company from its establishment to the reimbursement of the produced custom-made MD by health insurance companies. I systematically summarized the way of a price calculation of the custom-made MD and an hourly billing rate of the manufacturer. This involves establishing the agreement, but rather one-sided. I also schematically visualized and described the process of creating pre-calculations and calculations. I described the reasons that led to a change in the final price calculation of MD and VAT calculation. Generally, there is a continual reduction in the amount of reimbursements in setting the prices for the final consumer of MD. Currently, the price determination is process free. I described the regulatory mechanisms implemented in the custom-made MD manufacturing and the differences between the Czech and German systems, which are: the intensity of the involvement of patient organizations and professional health workers in the way of the MD reimbursement, the intensity and the form of the government interventions, the extent of the direct financial participation of patients for the consumed services and the way of reimbursement to the medical services providers.

**Keywords:** custom made medical device, calculation, reimbursement, hourly billing rate, contract with Health Insurance Company, orthotist-prosthetist